# OR4F15 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | OR4F15, Polyclonal Antibody |
| **Full Product Name** | OR4F15, NT (OR4F15, Olfactory receptor 4F15, Olfactory receptor OR15-14) (MaxLight 490) |
| **Product Gene Name** | anti-OR4F15 antibody |
| **Product Synonym Names** | OR4F15; Olfactory receptor 4F15; Olfactory receptor OR15-14 |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490. |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Preparation and Storage** | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |
| **Molecular Weight** | 35,369 Da |
| **Chromosome Location** | Chromosome: 15; NC_000015.9 (102358390..102359328). Location: 15q26.3 |
| **3D Structure** | ModBase 3D Structure for Q8NGB8 |
| **Immunogen** | OR4F15 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 76-105 amino acids from the N-terminal region of human OR4F15. |
| **Conjugate** | MaxLight490 |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-OR4F15 antibody** | Antibodies; Receptors; Olfactory |
| **Applications Tested/Suitable for anti-OR4F15 antibody** | Flow Cytometry (FC/FACS), FLISA, Western Blot (WB) |
| **Application Notes for anti-OR4F15 antibody** | FC/FACS: 1:10-50<br>FLISA: 1:1,000<br>WB: 1:100-500<br>Applications are based on unconjugated antibody. |
| **Related Product Information for anti-OR4F15 antibody** | Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction of odorant signals. The olfactory receptor gene family is the largest in the genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms. |
| **Product References and Citations for anti-OR4F15 antibody** | Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004). Gilad, Y., et al. Am. J. Hum. Genet. 73(3):489-501(2003). Fuchs, T., et al. Genomics 80(3):295-302(2002). |

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| **Other Notes** | Small volumes of anti-OR4F15 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for OR4F15 purchase** | MBS6328729 is an antibody targeting OR4F15. Also known as OR4F15, NT (OR4F15, Olfactory receptor 4F15, Olfactory receptor OR15-14) (MaxLight 490). Reactive in Human. Host: Rabbit. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR4F15. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 53828672 |
| **NCBI GeneID** | 390649 |
| **NCBI Accession #** | NP_001001674.1 |
| **UniProt Primary Accession #** | Q8NGB8 |
| **UniProt Secondary Accession #** | Q6IF57; Q96R70; B2RNQ5 |
| **UniProt Related Accession #** | Q8NGB8 |
| **GenBank Nucleotide #** | NM_001001674.1 |
| **NCBI Official Full Name** | olfactory receptor 4F15 |
| **NCBI Official Synonym Full Names** | olfactory receptor, family 4, subfamily F, member 15 |
| **NCBI Official Symbol** | OR4F15 |
| **UniProt Protein Name** | Olfactory receptor 4F15 |
| **UniProt Synonym Protein Names** | Olfactory receptor OR15-14 |
| **Protein Family** | Olfactory receptor |
| **UniProt Gene Name** | OR4F15 |
| **UniProt Entry Name** | O4F15_HUMAN |
| **NCBI Protein Information** | olfactory receptor 4F15; olfactory receptor OR15-14 |
| **UniProt Comments for OR4F15** | Function: Odorant receptor<br><br>Potential.<br><br>Subcellular location: Cell membrane; Multi-pass membrane protein.<br><br>Sequence similarities: Belongs to the G-protein coupled receptor 1 family. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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